

TIM-GAP P-13

Thermally Conductive Silicone Gap Filler Putty Sheets

DESCRIPTIONS

TIM-GAP P-13 is soft Gel/Putty Type, highly conformable, thermally conductive thermal interface gap filler designed to meet industry's rapidly growing need for interface material with high thermal conductivity, conformability and filling gaps in uneven matting surfaces with low/zero stress to components.

TIM-GAP P-13 is designed with flame retardant silicone polymer filled with thermally conductive fillers for wide range of applications. It will provide superb protection against damage due to deformation as well as shock or vibration.

KEY FUTURES AND BENEFITS

- **High Thermal Conductivity (13.2 W/m-k)**
- **Low Hardness, Naturally Tacky**
- **Highly conformable at low pressures**
- low stress on component
- Clean and easy to apply

APPLICATIONS

- Interface for semiconductors requiring low pressure or spring clamp mounting
- Graphic chips to heat sinks
- Mass storage drives
- Automotive electronics control units (ECU's)

AVAILABILITY

Available Thickness (mm): 0.5, 1.0, 1.5, 2.0

Available Configurations: Sheet form (200mm x 300mm) and die-cut parts

Typical Property	Test Method	Value
Color	Visual	Blue
Specific Gravity, @ 25°C	ASTM D792	3.3
Hardness (Shore 00)	ASTM D2240	Gel Type
Flammability	UL 94	V-0 Equivalent
Operating Temperature Range.		-55°C to 150°C
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	13.2
Thermal Resistance (°C-in ² /w) (15psi,0.50mm thickness)	ASTM D5470	0.08
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	12
Dielectric Constant (1KHz)	ASTM D149	7.8
Dissipation Factor (1KHz)	ASTM D150	0.04
Volume Resistivity (Ohm-m)	ASTM D257	1.0 x 10 ¹²

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